Geographic Information System for Smart Cities

By Prof TM Vinod Kumar

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Geographic Information System for Smart Cities is the first book that advocates that smart cities can be planned, managed and developed using GIS. The book is a combined effort of 23 international experts, where they explore the possibility of developing smart cities from experiences of many countries. The book gives prime responsibility of city being self-aware to geographic information system and its future development. In order to explain how GIS system performs, GIS experience from South America, Dubai and New Bombay is shared by GIS experts who have designed and maintained it for several years. Mumbai experience is more than 10 years old. The emphasis is on practical issues. There are several chapters that throw light on how GIS is utilized for sea erosion issues, slum rehabilitation with all India and state perspective, how GIS is used for smart growth and transport planning, and how GIS is used for land use allocation and also for community planning and so on. But all of these are with respect to smart cities only. This book is meant for senior professionals, politicians and administrators who look at how cities of 21st century should be shaped with the help of ICT and especially GIS. With its distinguished team of international authors, Geographic Information System for Smart Cities is a standard reference work for city planners, urban managers, GIS specialists, and policy makers who are actively involved in building smart cities and who want to know how city as well as GIS will get transformed in 21st century.

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Editorial Review

About the Author
Prof TM Vinod Kumar has more than 40 years of experience in urban and regional planning, focusing equally to teaching, research, and professional consultancy. He was Dean of Studies at School of Planning and Architecture, New Delhi, and was HOD of Urban Planning. Although an engineer and urban planner by profession, he has broadened his research horizon by working in various social sciences research institutions.

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